

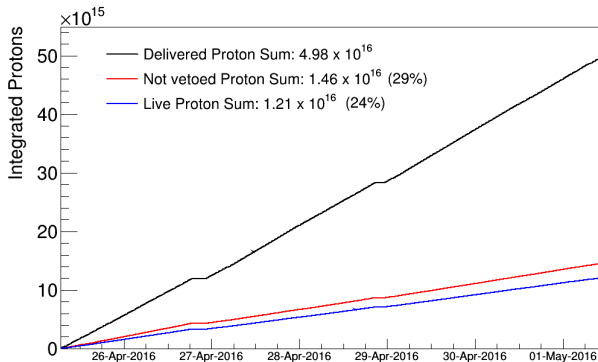
# E906/SeaQuest Report

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for the SeaQuest Collaboration



May 02, 2016.

Total protons accumulated:  $4.98 \times 10^{16}$ .



- Ran some few special runs to monitor trigger efficiency.

- Issues from previous week:
  - Fixed by replacing problematic fan module and CF cards of some ROCs.
- Some few coda crashes → fixed by rebooting ROCs and restarting coda.
- Clean up of old geometry files caused decoding issues → quickly fixed by updating the script.

# Target.

- Target computer monitor stopped working → replaced.
- Flammable gas alarm on Thursday → everything was fine, issue with the sensor.
- On Friday, technicians recalibrated the H<sub>2</sub> detector which wasn't working well due to radiation.

# Target.

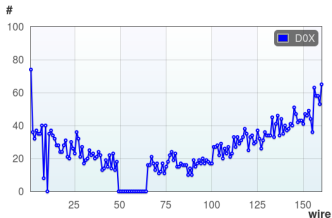
- Target computer monitor stopped working → replaced.
- Flammable gas alarm on Thursday → everything was fine, issue with the sensor.
- On Friday, technicians recalibrated the H<sub>2</sub> detector which wasn't working well due to radiation.
- Installed two boards as shields for the flammable gas detectors:



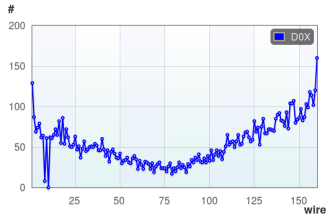
# Stations 0, 1, 2, 3 and 4.

- Dead channels on Station 0 → fixed by reconnecting loose cables found.

Before:



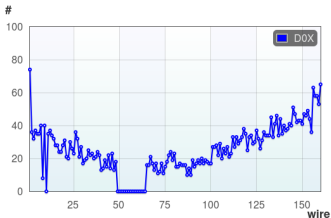
After:



# Stations 0, 1, 2, 3 and 4.

- Dead channels on Station 0 → fixed by reconnecting loose cables found.
- Reinstalled original CAEN HV supply for Station 1.
- Set nominal ASDQ thresholds to Station 2.

Before:



After:



# Summary.

- DAQ is back to normal since beginning of last week.
- Recalibrated H<sub>2</sub> gas detector → plans to install quick reset button on next open access day.
- Very good week.

**Plan:** continue taking nominal data.